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        RAW SEQUENCE LISTING              DATE: 10/31/2001
        PATENT APPLICATION:  US/09/939,119    TIME: 11:55:39

        Input Set : N:\Crf3\RULE60\09939119.txt
        Output Set: N:\CRF3\10312001\I939119.raw

        SEQUENCE LISTING
   4 (1) GENERAL INFORMATION:
C--> 6       (i) APPLICANT: Lipshutz, Robert J.
   7                       Sapolsky, Ronald
   8                       Ghandour, Ghassan
  10     (ii) TITLE OF INVENTION: Polymorphism Detection
  12    (iii) NUMBER OF SEQUENCES: 14
  14     (iv) CORRESPONDENCE ADDRESS:
  15          (A) ADDRESSEE: Ritter, Van Pelt & Yi LLP
  16          (B) STREET: 4906 El Camino Real, Suite 205
  17          (C) CITY: Los Altos
  18          (D) STATE: CA
  19          (E) COUNTRY: USA
  20          (F) ZIP: 94022
  22      (v) COMPUTER READABLE FORM:
  23          (A) MEDIUM TYPE: Floppy disk
  24          (B) COMPUTER: IBM PC compatible
  25          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  26          (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
  28     (vi) CURRENT APPLICATION DATA:
C--> 29          (A) APPLICATION NUMBER: US/09/939,119
C--> 30          (B) FILING DATE: 24-Aug-2001
  31          (C) CLASSIFICATION:
  33    (vii) PRIOR APPLICATION DATA:
  34          (A) APPLICATION NUMBER: 08/853,370
  35          (B) FILING DATE:
  37          (A) APPLICATION NUMBER: 08/563,762
  38          (B) FILING DATE: November 29, 1995
  40   (viii) ATTORNEY/AGENT INFORMATION:
  41          (A) NAME: Ritter, Michael J.
  42          (B) REGISTRATION NUMBER: 36,653
  43          (C) REFERENCE/DOCKET NUMBER: AFFYP016
  45     (ix) TELECOMMUNICATION INFORMATION:
  46          (A) TELEPHONE: 650-903-3500
  47          (B) TELEFAX: 650-903-3501
  50 (2) INFORMATION FOR SEQ ID NO: 1:
  52      (i) SEQUENCE CHARACTERISTICS:
  53          (A) LENGTH: 30 base pairs
  54          (B) TYPE: nucleic acid
  55          (C) STRANDEDNESS: single
  56          (D) TOPOLOGY: linear
  60     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
  62 TGCTGCCTTG GTTCRAGCCC TCATCTCTTT                               30
  64 (2) INFORMATION FOR SEQ ID NO: 2:
  66      (i) SEQUENCE CHARACTERISTICS:
  67          (A) LENGTH: 20 base pairs
  68          (B) TYPE: nucleic acid
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RAW SEQUENCE LISTING   DATE: 10/31/2001
PATENT APPLICATION: US/09/939,119   TIME: 11:55:39

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Output Set: N:\CRF3\10312001\I939119.raw

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69              (C) STRANDEDNESS: single
70              (D) TOPOLOGY: linear
74        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
76  AACCAANCTC GGGAGTAGAG                                          20
78  (2) INFORMATION FOR SEQ ID NO: 3:
80        (i) SEQUENCE CHARACTERISTICS:
81              (A) LENGTH: 20 base pairs
82              (B) TYPE: nucleic acid
83              (C) STRANDEDNESS: single
84              (D) TOPOLOGY: linear
88        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
90  CGGAACCAAN CTCGGGAGTA                                          20
92  (2) INFORMATION FOR SEQ ID NO: 4:
94        (i) SEQUENCE CHARACTERISTICS:
95              (A) LENGTH: 20 base pairs
96              (B) TYPE: nucleic acid
97              (C) STRANDEDNESS: single
98              (D) TOPOLOGY: linear
102       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
104 CGACGGAACC AANCTCGGGA                                          20
106 (2) INFORMATION FOR SEQ ID NO: 5:
108       (i) SEQUENCE CHARACTERISTICS:
109             (A) LENGTH: 20 base pairs
110             (B) TYPE: nucleic acid
111             (C) STRANDEDNESS: single
112             (D) TOPOLOGY: linear
116       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
118 ACGGAACCAN GTTCGGGAGT                                          20
120 (2) INFORMATION FOR SEQ ID NO: 6:
122       (i) SEQUENCE CHARACTERISTICS:
123             (A) LENGTH: 20 base pairs
124             (B) TYPE: nucleic acid
125             (C) STRANDEDNESS: single
126             (D) TOPOLOGY: linear
130       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
132 ACGGAACCAN GCTCGGGAGT                                          20
134 (2) INFORMATION FOR SEQ ID NO: 7:
136       (i) SEQUENCE CHARACTERISTICS:
137             (A) LENGTH: 20 base pairs
138             (B) TYPE: nucleic acid
139             (C) STRANDEDNESS: single
140             (D) TOPOLOGY: linear
144       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
146 CGGAACCAAN TTCGGGAGTA                                          20
148 (2) INFORMATION FOR SEQ ID NO: 8:
150       (i) SEQUENCE CHARACTERISTICS:
151             (A) LENGTH: 20 base pairs
152             (B) TYPE: nucleic acid
153             (C) STRANDEDNESS: single
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RAW SEQUENCE LISTING   DATE: 10/31/2001
PATENT APPLICATION: US/09/939,119   TIME: 11:55:39

Input Set : N:\Crf3\RULE60\09939119.txt
Output Set: N:\CRF3\10312001\I939119.raw

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154            (D) TOPOLOGY: linear
158      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
160 CGGAACCAAN CTCGGGAGTA                                      20
162 (2) INFORMATION FOR SEQ ID NO: 9:
164        (i) SEQUENCE CHARACTERISTICS:
165            (A) LENGTH: 20 base pairs
166            (B) TYPE: nucleic acid
167            (C) STRANDEDNESS: single
168            (D) TOPOLOGY: linear
172      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
174 GGAACCAAGN TCGGGAGTAG                                      20
176 (2) INFORMATION FOR SEQ ID NO: 10:
178        (i) SEQUENCE CHARACTERISTICS:
179            (A) LENGTH: 20 base pairs
180            (B) TYPE: nucleic acid
181            (C) STRANDEDNESS: single
182            (D) TOPOLOGY: linear
186      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
188 GAACCAAGTN CGGGAGTAGA                                      20
190 (2) INFORMATION FOR SEQ ID NO: 11:
192        (i) SEQUENCE CHARACTERISTICS:
193            (A) LENGTH: 20 base pairs
194            (B) TYPE: nucleic acid
195            (C) STRANDEDNESS: single
196            (D) TOPOLOGY: linear
200      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
202 GAACCAAGCN CGGGAGTAGA                                      20
204 (2) INFORMATION FOR SEQ ID NO: 12:
206        (i) SEQUENCE CHARACTERISTICS:
207            (A) LENGTH: 20 base pairs
208            (B) TYPE: nucleic acid
209            (C) STRANDEDNESS: single
210            (D) TOPOLOGY: linear
214      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
216 AACCAAGTTN GGGAGTAGAG                                      20
218 (2) INFORMATION FOR SEQ ID NO: 13:
220        (i) SEQUENCE CHARACTERISTICS:
221            (A) LENGTH: 20 base pairs
222            (B) TYPE: nucleic acid
223            (C) STRANDEDNESS: single
224            (D) TOPOLOGY: linear
228      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
230 AACCAAGCTN GGGAGTAGAG                                      20
232 (2) INFORMATION FOR SEQ ID NO: 14:
234        (i) SEQUENCE CHARACTERISTICS:
235            (A) LENGTH: 30 base pairs
236            (B) TYPE: nucleic acid
237            (C) STRANDEDNESS: single
238            (D) TOPOLOGY: linear
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RAW SEQUENCE LISTING   DATE: 10/31/2001
PATENT APPLICATION: **US/09/939,119**   TIME: 11:55:39

Input Set : **N:\Crf3\RULE60\09939119.txt**
Output Set: **N:\CRF3\10312001\I939119.raw**

242   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
244 ACCAAAAATC AGTCYGGGTA ACTGAGAGTG   30

VERIFICATION SUMMARY   DATE: 10/31/2001
PATENT APPLICATION: **US/09/939,119**   TIME: 11:55:40

Input Set : **N:\Crf3\RULE60\09939119.txt**
Output Set: **N:\CRF3\10312001\I939119.raw**

L:6 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]